

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P946424

Luminaire Tested: **GLAN-SB2A-827-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-827-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6009 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

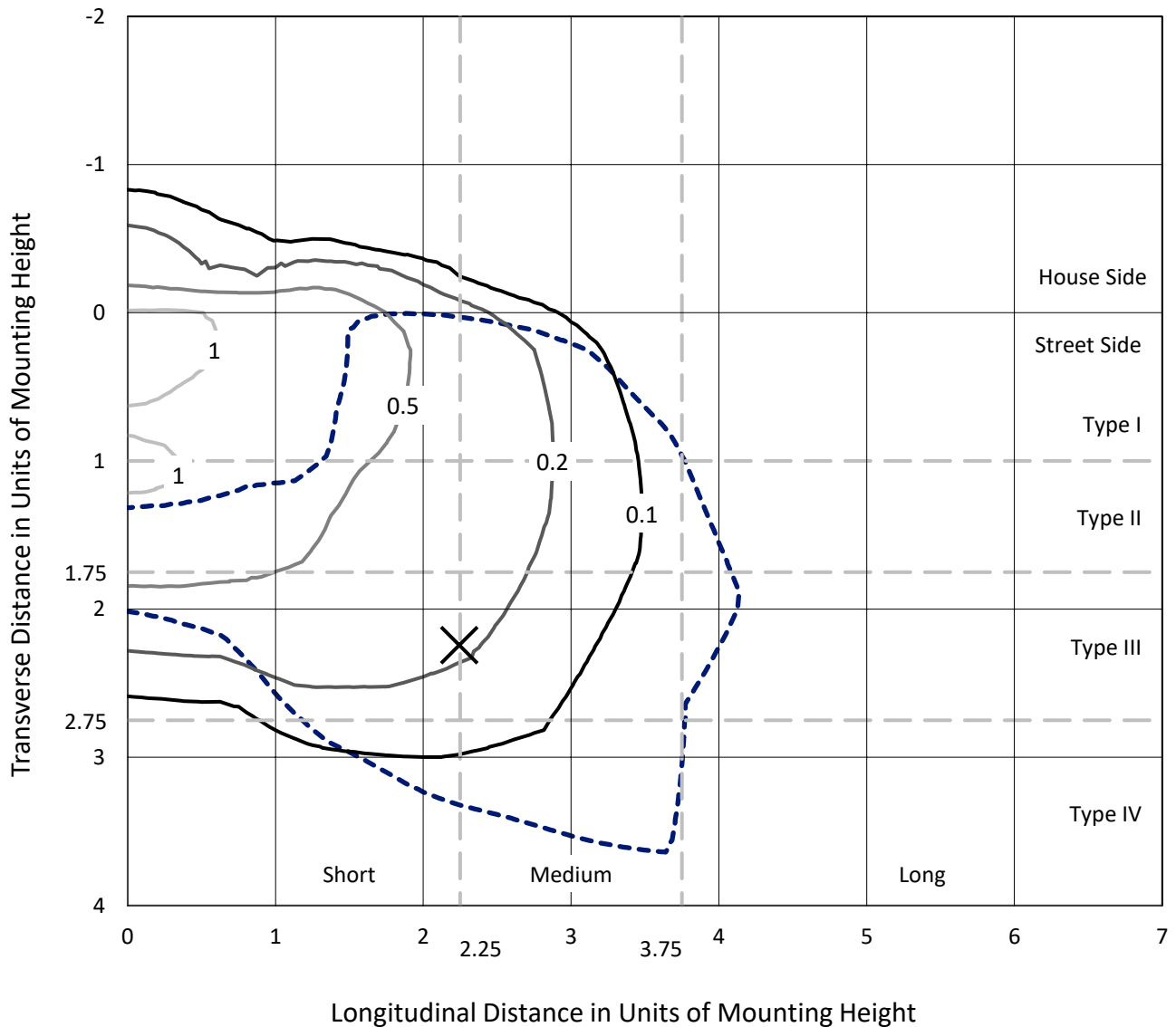
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

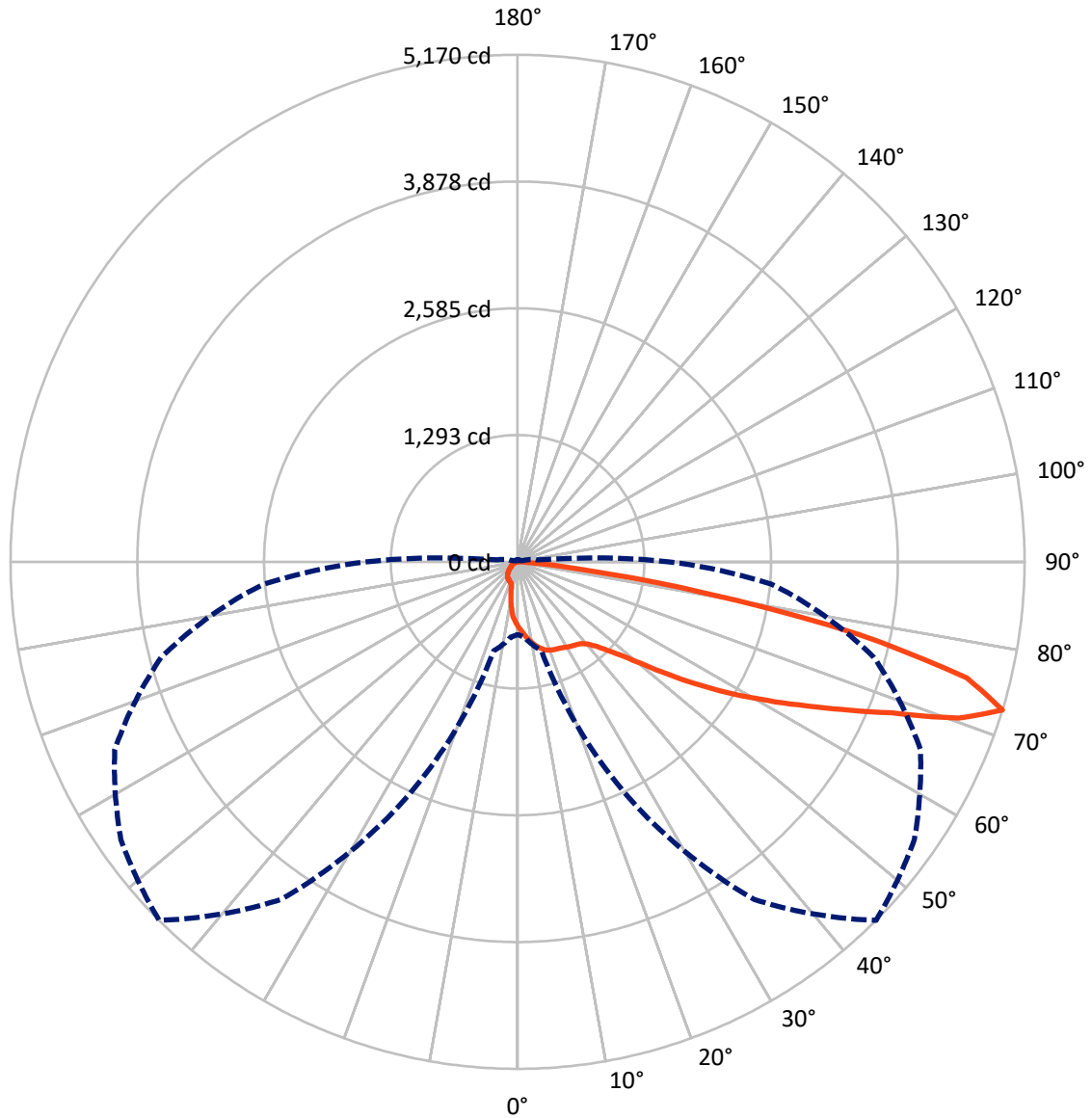
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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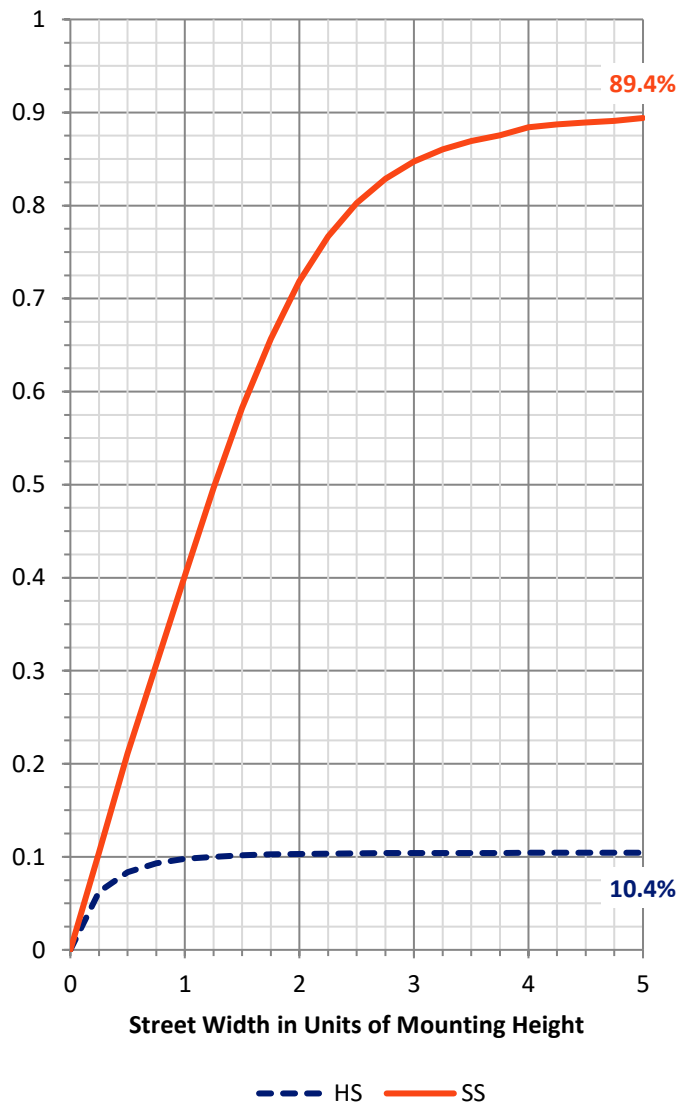
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	631.4	0.0	631.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5377.6	0.0	5377.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	6009.0	0.0	6009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	1.0
10°-20°	181.3	3.0
20°-30°	297.7	5.0
30°-40°	422.2	7.0
40°-50°	697.8	11.6
50°-60°	1253.6	20.9
60°-70°	1740.6	29.0
70°-80°	1262.6	21.0
80°-90°	91.3	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6009.0	100.0
0°-180°	6009.0	100.0

Coefficient of Utilization



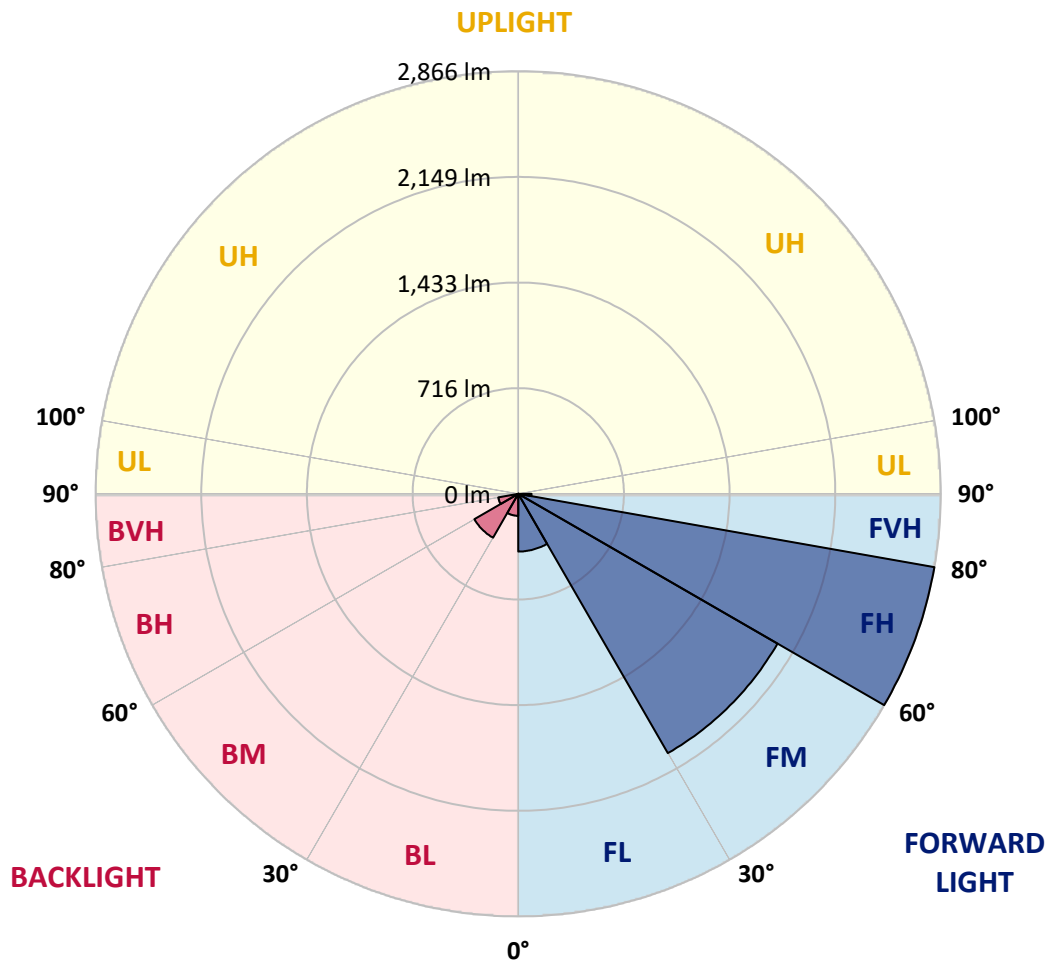
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.4	6.5			
FM	(30°-60°)	2030.2	33.8			
FH	(60°-80°)	2865.5	47.7			G2/5000
FVH	(80°-90°)	90.5	1.5			G1/100
BL	(0°-30°)	149.5	2.5	B1/500		
BM	(30°-60°)	343.4	5.7	B1/1000		
BH	(60°-80°)	137.7	2.3	B1/500		G1/500
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3
2.5°	719.0	720.2	719.4	714.5	706.3	701.8	699.3	691.1	685.8	676.3
5°	785.0	790.0	787.1	777.2	761.7	750.6	747.3	730.5	715.3	697.7
7.5°	855.2	857.6	852.3	839.6	818.7	799.8	796.9	773.6	749.4	722.3
10°	915.9	918.7	910.5	892.1	868.3	844.9	840.8	815.0	786.3	753.0
12.5°	966.7	969.6	958.9	936.8	910.5	886.3	882.2	855.2	823.6	786.7
15°	1005.3	1010.6	996.3	972.5	944.2	920.0	917.9	891.3	860.5	819.5
17.5°	1027.8	1033.2	1019.6	990.9	966.7	946.2	943.8	921.6	892.9	853.5
20°	1031.5	1036.5	1022.1	997.1	977.0	960.6	959.4	943.4	922.4	884.7
22.5°	1020.5	1026.6	1013.5	993.4	979.5	970.8	969.2	960.2	948.3	916.3
25°	1009.0	1013.9	1004.1	986.4	979.0	978.2	979.5	977.8	975.3	948.3
27.5°	1008.2	1013.5	1002.4	985.6	981.5	990.1	991.3	999.1	1001.2	977.4
30°	1015.1	1018.8	1008.2	990.5	988.5	1008.2	1008.6	1022.5	1025.8	1002.0
32.5°	1030.3	1034.4	1023.7	997.9	995.0	1022.5	1023.7	1042.2	1047.5	1028.3
35°	1066.0	1070.9	1058.6	1018.4	1008.2	1036.1	1039.7	1061.5	1072.1	1056.1
37.5°	1155.0	1140.6	1123.8	1059.8	1038.1	1057.4	1063.5	1089.0	1107.8	1089.4
40°	1376.1	1331.0	1278.5	1130.4	1090.6	1102.9	1107.8	1133.3	1159.1	1141.1
42.5°	1707.9	1654.6	1570.1	1292.8	1169.8	1175.9	1179.6	1201.8	1238.3	1223.9
45°	2003.6	1984.3	1898.2	1570.1	1317.8	1287.5	1292.0	1303.5	1357.2	1351.9
47.5°	2230.8	2219.8	2153.3	1888.4	1568.0	1424.1	1436.8	1442.1	1519.6	1538.5
50°	2405.6	2401.5	2342.0	2171.4	1894.9	1625.4	1630.0	1618.5	1734.5	1781.3
52.5°	2570.4	2584.4	2540.5	2434.3	2244.0	1889.2	1888.4	1834.2	1990.9	2061.4
55°	2719.3	2724.2	2728.8	2702.5	2595.1	2189.4	2181.6	2093.0	2288.3	2361.3
57.5°	2859.2	2861.2	2901.4	2955.2	2960.5	2511.8	2497.4	2391.2	2613.1	2665.2
60°	2953.1	2962.5	3047.5	3196.7	3262.0	2844.4	2836.6	2728.4	2943.7	2967.9
62.5°	2817.8	2875.2	3089.3	3385.4	3546.6	3213.2	3209.5	3107.7	3291.5	3271.8
65°	2280.9	2378.1	2754.6	3513.0	3825.9	3624.9	3630.3	3522.0	3648.7	3584.8
67.5°	1595.5	1698.0	2143.5	3523.2	4138.1	4108.5	4139.3	3969.5	4028.1	3884.6
70°	1103.3	1156.2	1446.2	3302.6	4381.3	4774.6	4773.8	4519.1	4405.5	4021.2
72.5°	742.0	769.5	939.3	2620.1	4202.4	5170.4	5146.6	4939.1	4532.6	3760.7
75°	312.9	333.0	434.8	1472.5	3324.7	4730.3	4665.9	4364.9	4027.3	2961.3
77.5°	99.3	107.9	171.4	527.0	1831.3	3555.6	3487.5	2725.9	2699.2	1485.6
80°	47.2	55.0	96.4	211.6	720.6	1933.9	1924.4	1236.6	1161.1	401.1
82.5°	20.5	24.2	53.3	113.2	322.4	689.9	703.8	420.8	348.2	152.2
85°	6.6	8.6	24.6	52.1	136.2	171.4	169.4	100.1	140.3	82.9
87.5°	0.0	0.0	8.2	11.9	13.9	9.8	11.1	8.6	39.0	23.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
658.3	0°	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3	658.3
666.5	2.5°	661.6	655.0	643.5	632.9	623.4	614.0	608.3	600.1	599.2	599.2
677.2	5°	666.1	655.4	634.9	613.2	588.2	564.4	540.6	517.6	510.2	504.9
694.4	7.5°	679.2	662.4	630.0	588.6	541.0	488.9	452.4	413.0	397.9	389.6
717.4	10°	698.1	675.1	625.9	553.3	476.2	405.2	353.1	310.5	294.1	287.1
742.4	12.5°	719.0	690.7	618.5	509.4	405.2	320.3	269.5	249.8	247.3	247.3
772.3	15°	744.0	709.6	605.8	457.7	331.0	253.5	235.4	236.2	238.7	240.4
801.4	17.5°	769.9	729.7	585.7	399.9	265.4	228.0	228.5	229.7	231.7	233.4
833.0	20°	797.8	749.8	559.0	338.4	227.6	220.7	221.9	223.1	224.8	225.6
862.6	22.5°	827.7	768.6	527.5	278.1	214.9	214.5	214.9	216.2	218.2	218.2
897.0	25°	859.7	789.5	491.4	234.2	208.4	208.4	209.2	210.0	211.6	211.6
930.2	27.5°	892.5	808.8	453.2	211.2	202.6	202.2	202.2	203.4	204.3	204.7
963.0	30°	928.6	831.4	415.1	206.3	198.1	196.1	194.8	195.6	196.5	196.9
997.5	32.5°	965.5	853.1	381.0	208.4	193.6	189.9	185.8	185.0	185.0	186.6
1033.2	35°	1006.5	876.9	354.8	215.3	191.1	180.9	174.3	170.6	171.0	173.5
1075.8	37.5°	1055.7	905.6	335.5	221.5	189.5	170.6	160.0	155.4	152.6	155.4
1134.5	40°	1120.1	947.9	321.6	226.4	187.4	158.7	144.4	137.0	131.7	133.3
1225.5	42.5°	1214.9	1014.3	316.2	226.8	182.9	144.8	128.4	118.5	110.7	111.2
1362.5	45°	1347.8	1119.3	343.7	221.5	173.1	129.6	111.6	98.4	93.5	92.3
1567.2	47.5°	1529.9	1272.3	407.3	210.4	158.7	114.8	95.2	84.1	80.4	78.3
1835.9	50°	1773.9	1468.8	477.8	198.1	144.4	100.9	81.6	74.6	72.2	70.1
2154.5	52.5°	2056.9	1668.1	535.7	185.8	130.0	88.6	73.0	68.9	66.9	65.2
2462.2	55°	2316.6	1805.5	532.4	172.7	116.1	78.7	66.9	64.4	61.9	60.3
2727.1	57.5°	2478.2	1824.8	438.9	158.3	100.1	71.0	61.1	59.5	56.6	54.6
2956.4	60°	2552.4	1714.9	307.6	139.5	84.1	63.6	55.0	54.1	50.4	47.6
3173.4	62.5°	2565.9	1510.6	205.1	116.1	70.1	56.6	48.8	47.6	42.7	37.7
3349.7	65°	2511.0	1218.6	141.9	90.6	59.9	49.2	41.8	39.4	34.0	29.1
3391.6	67.5°	2337.1	855.6	98.8	65.2	50.9	39.0	33.2	32.4	28.3	24.2
3178.3	70°	2018.4	487.7	66.0	48.8	40.2	26.7	26.2	27.1	23.0	19.7
2596.7	72.5°	1547.5	223.1	41.0	35.7	27.5	18.0	20.9	21.3	17.6	14.8
1620.1	75°	911.0	95.6	25.8	23.0	13.9	11.9	15.2	15.6	11.9	9.4
592.3	77.5°	310.1	36.1	16.4	13.5	7.0	6.6	9.8	9.8	6.6	3.7
118.9	80°	70.5	13.5	8.2	5.3	3.3	2.9	3.3	2.9	1.6	0.4
36.5	82.5°	20.1	5.3	3.3	2.1	1.2	1.2	0.4	0.0	0.0	0.0
12.7	85°	5.7	2.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
4.5	87.5°	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
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658.3
601.3
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